



February 24, 1993

**DRAFT**

Mr. Gary Baughman, Chief  
Facilities Section  
Hazardous Waste Control Program  
Colorado Department of Health  
4300 Cherry Creek Drive S.  
Denver, CO 80222-1530

RE: STANDARD OPERATING PROCEDURES FOR THE HIGH PURITY GERMANIUM DETECTOR

Dear Mr. Baughman:

The U. S. Department of Energy is requesting an extension of the February 24, 1993, deadline expressed in your February 8, 1993, letter for the development of the Standard Operating Procedures (SOP) for the High Purity Germanium (HPGe) Detector to March 8, 1993. However, considerable progress has been made in resolving the issue; several conversations have taken place between your staff and mine, and EG&G technical staff.

In addition to completing the HPGe SOP no later than March 8, 1993, we have agreed to prepare *A Compendium of In-situ Radiological Characterization Methods and Applications*. We propose that the contents of this document include a description of the various instruments used to detect, measure and monitor radionuclides in-situ. These instruments include the HPGe Detectors, FIDLER/NaI, and other gas-filled tube (ionization chamber) devices. Instrument capabilities and applications to in-situ characterization, quantifiable detection limits, and other pertinent operating criteria will be discussed. EG&G will have the responsibility to schedule a meeting with your staff and other interested parties and to develop and approve a table of contents. A draft will be available no later than April 2, 1993, if you find this scope agreeable.

It is my understanding that compilation of this document will remove the need for an in-depth discussion of radiological methods from the revisions to the OU 13 Final RFI/RI Work Plan. The revised sections and a response to comments is scheduled for delivery on or before March 10, 1993.

Sincerely,

R. J. Schassburger  
Acting Director  
Environmental Restoration Division  
DOE, RFO

cc:

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